

Abstract of the Disclosure

A powered touch screen input device is perpetually self-powered and free of any mechanical connection to the touch screen itself. The input device

5 includes at least one photovoltaic cell supported thereon and disposed to receive light from the display screen associated with the touch screen device. The photovoltaic cell is connected to the electronic signaling circuit disposed within the input device. The input device is adapted to be wielded by the user of the touch screen and to be placed in contact or close spacing to the touch screen

10 device. Position and movement of the input sensor are correlated by a software driven computer system with the images generated on the display screen associated with the touch screen system. At the same time, the photovoltaic cell(s) of the input device are connected to power the onboard signaling circuit of the input device, so that all power necessary for the input device is delivered

15 whenever the device is situated proximate to the display screen, without resort to batteries, cables, or tethers of any kind. The input device comprises a stylus having a proximal tip connected to the electronic signaling circuit to generate or receive actinic radiation and interact with the touch screen device. A bezel extends about the barrel to enclose the photovoltaic cells and direct light from

20 the display screen to the cells. Alternatively, RF energy may be transmitted to an antenna in the input device and rectified to drive the electronic signaling circuit.